

AMENDMENTS TO THE ABSTRACT:

Please replace the abstract with the following new abstract:

--A piezoelectric sensor arrangement for analysis of fluid samples includes a signal source, a measuring device and a docking system. The sensor arrangement comprises a first part provided with means for receiving a sensor element that exposes a piezoelectric quartz crystal, a second part comprising fluid channels for the sample and a flow cell element, which preferably is removable and which comprises a recess, and inlet and outlet fluid channels for leading a fluid through the recess. The first and second parts are movable in relation to each other between a closed position and an open position and are arranged such that in the closed position the recess of the flow cell element is sealingly covered by the piezoelectric quartz crystal so that a flow cell is formed by said flow cell element and the quartz crystal.--